

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)	Docket Number (Optional) 3635.4US (98-0029.04/US)	Application Number N t yet assigned
	Applicant Chapman et al.	
	Filing Date July 22, 2003	Group Art Unit Unknown

U.S. PATENT DOCUMENTS



EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>LKE</i>	3,087,239	04/1963	Clagett			
	3,643,321	02/1972	Field et al.			
	4,030,657	06/1977	Scheffer			
	4,327,860	05/1982	Kirshenboin et al.			
	4,415,115	11/1983	James			
	4,434,347	02/1984	Kurtz et al.			
	4,513,190	04/1985	Ellett et al.			
	4,778,097	10/1988	Hauser			
	4,886,200	12/1989	Tsumura			
<i>↓</i>	4,974,767	12/1990	Alfaro et al.			
<i>LKE</i>	5,003,373	03/1991	Tsumura et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER 	DATE CONSIDERED 
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance not considered. Include copy of this form with next communication to the applicant.

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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>U/G</i> ↓ <i>U/G</i>	5,148,959	09/1992	Cain et al.			
	5,172,851	12/1992	Matsushita et al.			
	5,217,154	06/1993	Elwood et al.			
	5,302,550	04/1994	Hirota et al.			
	5,421,503	06/1995	Perlberg et al.			
	5,437,405	08/1995	Asanasavest			
	5,445,306	08/1995	Huddleston			
	5,465,899	11/1995	Quick et al.			
	5,485,949	01/1996	Tomura et al.			
	5,516,029	05/1996	Grasso et al.			
	5,544,804	08/1996	Test et al.			

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

OTHER DOCUMENTS		(Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER <i>L.C.</i>	DATE CONSIDERED <i>2/3/05</i>
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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,558,270	09/1996	Nachon et al.			
	5,603,445	02/1997	Hill et al.			
	5,662,261	09/1997	Fogal			
	5,871,141	02/1999	Hadar et al.			
	5,884,830	03/1999	Yamazaki et al.			
	5,891,796	04/1999	Nakamura et al.			
	5,931,368	03/1997	Hadar et al.			
	5,938,105	07/1997	Singh			
	5,984,162	11/1999	Hortaleza et al.			
	6,041,995	03/2000	Takahashi et al.			
	6,158,647	12/2000	Chapman et al.			
	6,311,890	11/2001	Chapman et al.			
	6,371,356	04/2002	Senuma			
	6,439,450	08/2002	Chapman et al.			
	6,595,406	07/2003	Chapman et al.			

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

OTHER DOCUMENTS		(Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER 	DATE CONSIDERED 2/3/05
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